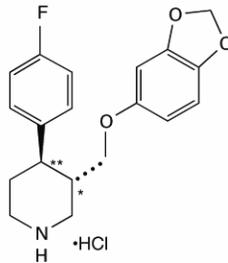


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3 **PAXIL CR™**
4 **(paroxetine hydrochloride)**
5 **Controlled-Release Tablets**

6 **DESCRIPTION**

7 PAXIL CR (paroxetine hydrochloride) is an orally administered psychotropic drug with a
8 chemical structure unrelated to other selective serotonin reuptake inhibitors or to tricyclic,
9 tetracyclic, or other available antidepressant or antipanic agents. It is the hydrochloride salt of a
10 phenylpiperidine compound identified chemically as (-)-*trans*-4*R*-(4'-fluorophenyl)-3*S*-[(3',4'-
11 methylenedioxyphenoxy) methyl] piperidine hydrochloride hemihydrate and has the empirical
12 formula of C₁₉H₂₀FNO₃•HCl•1/2H₂O. The molecular weight is 374.8 (329.4 as free base). The
13 structural formula of paroxetine hydrochloride is:



14
15 Paroxetine hydrochloride is an odorless, off-white powder, having a melting point range of
16 120° to 138°C and a solubility of 5.4 mg/mL in water.

17 Each enteric, film-coated, controlled-release tablet contains paroxetine hydrochloride
18 equivalent to paroxetine as follows: 12.5 mg–yellow, 25 mg–pink, 37.5 mg–blue. One layer of
19 the tablet consists of a degradable barrier layer and the other contains the active material in a
20 hydrophilic matrix.

21 Inactive ingredients consist of hypromellose, polyvinylpyrrolidone, lactose monohydrate,
22 magnesium stearate, colloidal silicon dioxide, glyceryl behenate, methacrylic acid copolymer
23 type C, sodium lauryl sulfate, polysorbate 80, talc, triethyl citrate, and 1 or more of the following
24 colorants: Yellow ferric oxide, red ferric oxide, D&C Red No. 30, D&C Yellow No. 6, D&C
25 Yellow No. 10, FD&C Blue No. 2.

26 **CLINICAL PHARMACOLOGY**

27 **Pharmacodynamics:** The efficacy of paroxetine in the treatment of major depressive
28 disorder, panic disorder, social anxiety disorder, and premenstrual dysphoric disorder (PMDD) is
29 presumed to be linked to potentiation of serotonergic activity in the central nervous system
30 resulting from inhibition of neuronal reuptake of serotonin (5-hydroxy-tryptamine, 5-HT).
31 Studies at clinically relevant doses in humans have demonstrated that paroxetine blocks the
32 uptake of serotonin into human platelets. In vitro studies in animals also suggest that paroxetine

33 is a potent and highly selective inhibitor of neuronal serotonin reuptake and has only very weak
34 effects on norepinephrine and dopamine neuronal reuptake. In vitro radioligand binding studies
35 indicate that paroxetine has little affinity for muscarinic, α_1 -, α_2 -, beta-adrenergic-,
36 dopamine (D_2)-, 5-HT₁-, 5-HT₂-, and histamine (H_1)-receptors; antagonism of muscarinic,
37 histaminergic, and α_1 -adrenergic receptors has been associated with various anticholinergic,
38 sedative, and cardiovascular effects for other psychotropic drugs.

39 Because the relative potencies of paroxetine's major metabolites are at most 1/50 of the parent
40 compound, they are essentially inactive.

41 **Pharmacokinetics:** Paroxetine hydrochloride is completely absorbed after oral dosing of a
42 solution of the hydrochloride salt. The elimination half-life is approximately 15 to 20 hours after
43 a single dose of PAXIL CR. Paroxetine is extensively metabolized and the metabolites are
44 considered to be inactive. Nonlinearity in pharmacokinetics is observed with increasing doses.
45 Paroxetine metabolism is mediated in part by CYP2D6, and the metabolites are primarily
46 excreted in the urine and to some extent in the feces. Pharmacokinetic behavior of paroxetine has
47 not been evaluated in subjects who are deficient in CYP2D6 (poor metabolizers).

48 **Absorption and Distribution:** Tablets of PAXIL CR contain a degradable polymeric
49 matrix (GEOMATRIX™) designed to control the dissolution rate of paroxetine over a period of
50 approximately 4 to 5 hours. In addition to controlling the rate of drug release in vivo, an enteric
51 coat delays the start of drug release until tablets of PAXIL CR have left the stomach.

52 Paroxetine hydrochloride is completely absorbed after oral dosing of a solution of the
53 hydrochloride salt. In a study in which normal male and female subjects (n = 23) received single
54 oral doses of PAXIL CR at 4 dosage strengths (12.5 mg, 25 mg, 37.5 mg, and 50 mg), paroxetine
55 C_{max} and AUC_{0-inf} increased disproportionately with dose (as seen also with immediate-release
56 formulations). Mean C_{max} and AUC_{0-inf} values at these doses were 2.0, 5.5, 9.0, and 12.5 ng/mL,
57 and 121, 261, 338, and 540 ng•hr./mL, respectively. T_{max} was observed typically between 6 and
58 10 hours post-dose, reflecting a reduction in absorption rate compared with immediate-release
59 formulations. The bioavailability of 25 mg PAXIL CR is not affected by food.

60 Paroxetine distributes throughout the body, including the CNS, with only 1% remaining in the
61 plasma.

62 Approximately 95% and 93% of paroxetine is bound to plasma protein at 100 ng/mL and
63 400 ng/mL, respectively. Under clinical conditions, paroxetine concentrations would normally be
64 less than 400 ng/mL. Paroxetine does not alter the in vitro protein binding of phenytoin or
65 warfarin.

66 **Metabolism and Excretion:** The mean elimination half-life of paroxetine was 15 to
67 20 hours throughout a range of single doses of PAXIL CR (12.5 mg, 25 mg, 37.5 mg, and
68 50 mg). During repeated administration of PAXIL CR (25 mg once daily), steady state was
69 reached within 2 weeks (i.e., comparable to immediate-release formulations). In a repeat-dose
70 study in which normal male and female subjects (n = 23) received PAXIL CR (25 mg daily),
71 mean steady state C_{max} , C_{min} , and AUC_{0-24} values were 30 ng/mL, 20 ng/mL, and 550 ng•hr./mL,
72 respectively.

73 Based on studies using immediate-release formulations, steady-state drug exposure based on
74 AUC_{0-24} was several-fold greater than would have been predicted from single-dose data. The
75 excess accumulation is a consequence of the fact that 1 of the enzymes that metabolizes
76 paroxetine is readily saturable.

77 In steady-state dose proportionality studies involving elderly and nonelderly patients, at doses
78 of the immediate-release formulation of 20 mg to 40 mg daily for the elderly and 20 mg to 50 mg
79 daily for the nonelderly, some nonlinearity was observed in both populations, again reflecting a
80 saturable metabolic pathway. In comparison to C_{min} values after 20 mg daily, values after 40 mg
81 daily were only about 2 to 3 times greater than doubled.

82 Paroxetine is extensively metabolized after oral administration. The principal metabolites are
83 polar and conjugated products of oxidation and methylation, which are readily cleared.
84 Conjugates with glucuronic acid and sulfate predominate, and major metabolites have been
85 isolated and identified. Data indicate that the metabolites have no more than 1/50 the potency of
86 the parent compound at inhibiting serotonin uptake. The metabolism of paroxetine is
87 accomplished in part by CYP2D6. Saturation of this enzyme at clinical doses appears to account
88 for the nonlinearity of paroxetine kinetics with increasing dose and increasing duration of
89 treatment. The role of this enzyme in paroxetine metabolism also suggests potential drug-drug
90 interactions (see PRECAUTIONS).

91 Approximately 64% of a 30-mg oral solution dose of paroxetine was excreted in the urine
92 with 2% as the parent compound and 62% as metabolites over a 10-day post-dosing period.
93 About 36% was excreted in the feces (probably via the bile), mostly as metabolites and less than
94 1% as the parent compound over the 10-day post-dosing period.

95 **Other Clinical Pharmacology Information: Specific Populations: Renal and Liver**
96 **Disease:** Increased plasma concentrations of paroxetine occur in subjects with renal and hepatic
97 impairment. The mean plasma concentrations in patients with creatinine clearance below
98 30 mL/min. was approximately 4 times greater than seen in normal volunteers. Patients with
99 creatinine clearance of 30 to 60 mL/min. and patients with hepatic functional impairment had
100 about a 2-fold increase in plasma concentrations (AUC , C_{max}).

101 The initial dosage should therefore be reduced in patients with severe renal or hepatic
102 impairment, and upward titration, if necessary, should be at increased intervals (see DOSAGE
103 AND ADMINISTRATION).

104 **Elderly Patients:** In a multiple-dose study in the elderly at daily doses of 20, 30, and
105 40 mg of the immediate-release formulation, C_{min} concentrations were about 70% to 80% greater
106 than the respective C_{min} concentrations in nonelderly subjects. Therefore the initial dosage in the
107 elderly should be reduced (see DOSAGE AND ADMINISTRATION).

108 **Drug-Drug Interactions:** In vitro drug interaction studies reveal that paroxetine inhibits
109 CYP2D6. Clinical drug interaction studies have been performed with substrates of CYP2D6 and
110 show that paroxetine can inhibit the metabolism of drugs metabolized by CYP2D6 including
111 desipramine, risperidone, and atomoxetine (see PRECAUTIONS—Drug Interactions).

112 **Clinical Trials**

113 **Major Depressive Disorder:** The efficacy of PAXIL CR controlled-release tablets as a
114 treatment for major depressive disorder has been established in two 12-week, flexible-dose,
115 placebo-controlled studies of patients with DSM-IV Major Depressive Disorder. One study
116 included patients in the age range 18 to 65 years, and a second study included elderly patients,
117 ranging in age from 60 to 88. In both studies, PAXIL CR was shown to be significantly more
118 effective than placebo in treating major depressive disorder as measured by the following:
119 Hamilton Depression Rating Scale (HDRS), the Hamilton depressed mood item, and the Clinical
120 Global Impression (CGI)–Severity of Illness score.

121 A study of outpatients with major depressive disorder who had responded to
122 immediate-release paroxetine tablets (HDRS total score <8) during an initial 8-week
123 open-treatment phase and were then randomized to continuation on immediate-release paroxetine
124 tablets or placebo for 1 year demonstrated a significantly lower relapse rate for patients taking
125 immediate-release paroxetine tablets (15%) compared to those on placebo (39%). Effectiveness
126 was similar for male and female patients.

127 **Panic Disorder:** The effectiveness of PAXIL CR in the treatment of panic disorder was
128 evaluated in three 10-week, multicenter, flexible-dose studies (Studies 1, 2, and 3) comparing
129 paroxetine controlled-release (12.5 to 75 mg daily) to placebo in adult outpatients who had panic
130 disorder (DSM-IV), with or without agoraphobia. These trials were assessed on the basis of their
131 outcomes on 3 variables: (1) the proportions of patients free of full panic attacks at endpoint; (2)
132 change from baseline to endpoint in the median number of full panic attacks; and (3) change
133 from baseline to endpoint in the median Clinical Global Impression Severity score. For Studies 1
134 and 2, PAXIL CR was consistently superior to placebo on 2 of these 3 variables. Study 3 failed
135 to consistently demonstrate a significant difference between PAXIL CR and placebo on any of
136 these variables.

137 For all 3 studies, the mean dose of PAXIL CR for completers at endpoint was approximately
138 50 mg/day. Subgroup analyses did not indicate that there were any differences in treatment
139 outcomes as a function of age or gender.

140 Long-term maintenance effects of the immediate-release formulation of paroxetine in panic
141 disorder were demonstrated in an extension study. Patients who were responders during a
142 10-week double-blind phase with immediate-release paroxetine and during a 3-month
143 double-blind extension phase were randomized to either immediate-release paroxetine or placebo
144 in a 3-month double-blind relapse prevention phase. Patients randomized to paroxetine were
145 significantly less likely to relapse than comparably treated patients who were randomized to
146 placebo.

147 **Social Anxiety Disorder:** The efficacy of PAXIL CR as a treatment for social anxiety
148 disorder has been established, in part, on the basis of extrapolation from the established
149 effectiveness of the immediate-release formulation of paroxetine. In addition, the effectiveness
150 of PAXIL CR in the treatment of social anxiety disorder was demonstrated in a 12-week,
151 multicenter, double-blind, flexible-dose, placebo-controlled study of adult outpatients with a

152 primary diagnosis of social anxiety disorder (DSM-IV). In the study, the effectiveness of
153 PAXIL CR (12.5 to 37.5 mg daily) compared to placebo was evaluated on the basis of (1)
154 change from baseline in the Liebowitz Social Anxiety Scale (LSAS) total score and (2) the
155 proportion of responders who scored 1 or 2 (very much improved or much improved) on the
156 Clinical Global Impression (CGI) Global Improvement score.

157 PAXIL CR demonstrated statistically significant superiority over placebo on both the LSAS
158 total score and the CGI Improvement responder criterion. For patients who completed the trial,
159 64% of patients treated with PAXIL CR compared to 34.7% of patients treated with placebo
160 were CGI Improvement responders.

161 Subgroup analyses did not indicate that there were any differences in treatment outcomes as a
162 function of gender. Subgroup analyses of studies utilizing the immediate-release formulation of
163 paroxetine generally did not indicate differences in treatment outcomes as a function of age, race,
164 or gender.

165 **Premenstrual Dysphoric Disorder:** The effectiveness of PAXIL CR for the treatment of
166 PMDD utilizing a continuous dosing regimen has been established in 2 placebo-controlled trials.
167 Patients in these trials met DSM-IV criteria for PMDD. In a pool of 1,030 patients, treated with
168 daily doses of PAXIL CR 12.5 or 25 mg/day, or placebo the mean duration of the PMDD
169 symptoms was approximately 11 ± 7 years. Patients on systemic hormonal contraceptives were
170 excluded from these trials. Therefore, the efficacy of PAXIL CR in combination with systemic
171 (including oral) hormonal contraceptives for the continuous daily treatment of PMDD is
172 unknown. In both positive studies, patients (N = 672) were treated with 12.5 mg/day or
173 25 mg/day of PAXIL CR or placebo continuously throughout the menstrual cycle for a period of
174 3 menstrual cycles. The VAS-Total score is a patient-rated instrument that mirrors the diagnostic
175 criteria of PMDD as identified in the DSM-IV, and includes assessments for mood, physical
176 symptoms, and other symptoms. 12.5 mg/day and 25 mg/day of PAXIL CR were significantly
177 more effective than placebo as measured by change from baseline to the endpoint on the luteal
178 phase VAS-Total score.

179 In a third study employing intermittent dosing, patients (N = 366) were treated for the 2 weeks
180 prior to the onset of menses (luteal phase dosing, also known as intermittent dosing) with
181 12.5 mg/day or 25 mg/day of PAXIL CR or placebo for a period of 3 months. 12.5 mg/day and
182 25 mg/day of PAXIL CR, as luteal phase dosing, was significantly more effective than placebo
183 as measured by change from baseline luteal phase VAS total score.

184 There is insufficient information to determine the effect of race or age on outcome in
185 these studies.

186 **INDICATIONS AND USAGE**

187 **Major Depressive Disorder:** PAXIL CR is indicated for the treatment of major depressive
188 disorder.

189 The efficacy of PAXIL CR in the treatment of a major depressive episode was established in
190 two 12-week controlled trials of outpatients whose diagnoses corresponded to the DSM-IV

191 category of major depressive disorder (see CLINICAL PHARMACOLOGY—Clinical Trials).

192 A major depressive episode (DSM-IV) implies a prominent and relatively persistent (nearly
193 every day for at least 2 weeks) depressed mood or loss of interest or pleasure in nearly all
194 activities, representing a change from previous functioning, and includes the presence of at least
195 5 of the following 9 symptoms during the same 2-week period: Depressed mood, markedly
196 diminished interest or pleasure in usual activities, significant change in weight and/or appetite,
197 insomnia or hypersomnia, psychomotor agitation or retardation, increased fatigue, feelings of
198 guilt or worthlessness, slowed thinking or impaired concentration, a suicide attempt, or suicidal
199 ideation.

200 The antidepressant action of paroxetine in hospitalized depressed patients has not been
201 adequately studied.

202 PAXIL CR has not been systematically evaluated beyond 12 weeks in controlled clinical
203 trials; however, the effectiveness of immediate-release paroxetine hydrochloride in maintaining a
204 response in major depressive disorder for up to 1 year has been demonstrated in a
205 placebo-controlled trial (see CLINICAL PHARMACOLOGY—Clinical Trials). The physician
206 who elects to use PAXIL CR for extended periods should periodically re-evaluate the long-term
207 usefulness of the drug for the individual patient.

208 **Panic Disorder:** PAXIL CR is indicated for the treatment of panic disorder, with or without
209 agoraphobia, as defined in DSM-IV. Panic disorder is characterized by the occurrence of
210 unexpected panic attacks and associated concern about having additional attacks, worry about
211 the implications or consequences of the attacks, and/or a significant change in behavior related to
212 the attacks.

213 The efficacy of PAXIL CR controlled-release tablets was established in two 10-week trials in
214 panic disorder patients whose diagnoses corresponded to the DSM-IV category of panic disorder
215 (see CLINICAL PHARMACOLOGY—Clinical Trials).

216 Panic disorder (DSM-IV) is characterized by recurrent unexpected panic attacks, i.e., a
217 discrete period of intense fear or discomfort in which 4 (or more) of the following symptoms
218 develop abruptly and reach a peak within 10 minutes: (1) palpitations, pounding heart, or
219 accelerated heart rate; (2) sweating; (3) trembling or shaking; (4) sensations of shortness of
220 breath or smothering; (5) feeling of choking; (6) chest pain or discomfort; (7) nausea or
221 abdominal distress; (8) feeling dizzy, unsteady, lightheaded, or faint; (9) derealization (feelings
222 of unreality) or depersonalization (being detached from oneself); (10) fear of losing control; (11)
223 fear of dying; (12) paresthesias (numbness or tingling sensations); (13) chills or hot flushes.

224 Long-term maintenance of efficacy with the immediate-release formulation of paroxetine was
225 demonstrated in a 3-month relapse prevention trial. In this trial, patients with panic disorder
226 assigned to immediate-release paroxetine demonstrated a lower relapse rate compared to patients
227 on placebo (see CLINICAL PHARMACOLOGY—Clinical Trials). Nevertheless, the physician
228 who prescribes PAXIL CR for extended periods should periodically re-evaluate the long-term
229 usefulness of the drug for the individual patient.

230 **Social Anxiety Disorder:** PAXIL CR is indicated for the treatment of social anxiety disorder,
231 also known as social phobia, as defined in DSM-IV (300.23). Social anxiety disorder is
232 characterized by a marked and persistent fear of 1 or more social or performance situations in
233 which the person is exposed to unfamiliar people or to possible scrutiny by others. Exposure to
234 the feared situation almost invariably provokes anxiety, which may approach the intensity of a
235 panic attack. The feared situations are avoided or endured with intense anxiety or distress. The
236 avoidance, anxious anticipation, or distress in the feared situation(s) interferes significantly with
237 the person's normal routine, occupational or academic functioning, or social activities or
238 relationships, or there is marked distress about having the phobias. Lesser degrees of
239 performance anxiety or shyness generally do not require psychopharmacological treatment.

240 The efficacy of PAXIL CR as a treatment for social anxiety disorder has been established, in
241 part, on the basis of extrapolation from the established effectiveness of the immediate-release
242 formulation of paroxetine. In addition, the efficacy of PAXIL CR was established in a 12-week
243 trial, in adult outpatients with social anxiety disorder (DSM-IV). PAXIL CR has not been studied
244 in children or adolescents with social phobia (see CLINICAL PHARMACOLOGY—Clinical
245 Trials).

246 The effectiveness of PAXIL CR in long-term treatment of social anxiety disorder, i.e., for
247 more than 12 weeks, has not been systematically evaluated in adequate and well-controlled trials.
248 Therefore, the physician who elects to prescribe PAXIL CR for extended periods should
249 periodically re-evaluate the long-term usefulness of the drug for the individual patient (see
250 DOSAGE AND ADMINISTRATION).

251 **Premenstrual Dysphoric Disorder:** PAXIL CR is indicated for the treatment of PMDD.

252 The efficacy of PAXIL CR in the treatment of PMDD has been established in 3
253 placebo-controlled trials (see CLINICAL PHARMACOLOGY—Clinical Trials).

254 The essential features of PMDD, according to DSM-IV, include markedly depressed mood,
255 anxiety or tension, affective lability, and persistent anger or irritability. Other features include
256 decreased interest in usual activities, difficulty concentrating, lack of energy, change in appetite
257 or sleep, and feeling out of control. Physical symptoms associated with PMDD include breast
258 tenderness, headache, joint and muscle pain, bloating, and weight gain. These symptoms occur
259 regularly during the luteal phase and remit within a few days following the onset of menses; the
260 disturbance markedly interferes with work or school or with usual social activities and
261 relationships with others. In making the diagnosis, care should be taken to rule out other cyclical
262 mood disorders that may be exacerbated by treatment with an antidepressant.

263 The effectiveness of PAXIL CR in long-term use, that is, for more than 3 menstrual cycles,
264 has not been systematically evaluated in controlled trials. Therefore, the physician who elects to
265 use PAXIL CR for extended periods should periodically re-evaluate the long-term usefulness of
266 the drug for the individual patient.

267 **CONTRAINDICATIONS**

268 Concomitant use in patients taking either monoamine oxidase inhibitors (MAOIs) or
269 thioridazine is contraindicated (see WARNINGS and PRECAUTIONS).

270 PAXIL CR is contraindicated in patients with a hypersensitivity to paroxetine or to any of the
271 inactive ingredients in PAXIL CR.

272 **WARNINGS**

273 **Potential for Interaction With Monoamine Oxidase Inhibitors:** In patients receiving
274 another serotonin reuptake inhibitor drug in combination with an MAOI, there have been
275 reports of serious, sometimes fatal, reactions including hyperthermia, rigidity, myoclonus,
276 autonomic instability with possible rapid fluctuations of vital signs, and mental status
277 changes that include extreme agitation progressing to delirium and coma. These reactions
278 have also been reported in patients who have recently discontinued that drug and have
279 been started on an MAOI. Some cases presented with features resembling neuroleptic
280 malignant syndrome. While there are no human data showing such an interaction with
281 paroxetine hydrochloride, limited animal data on the effects of combined use of paroxetine
282 and MAOIs suggest that these drugs may act synergistically to elevate blood pressure and
283 evoke behavioral excitation. Therefore, it is recommended that PAXIL CR not be used in
284 combination with an MAOI, or within 14 days of discontinuing treatment with an MAOI.
285 At least 2 weeks should be allowed after stopping PAXIL CR before starting an MAOI.

286 **Potential Interaction With Thioridazine:** Thioridazine administration alone produces
287 prolongation of the QTc interval, which is associated with serious ventricular arrhythmias,
288 such as torsade de pointes–type arrhythmias, and sudden death. This effect appears to be
289 dose related.

290 An *in vivo* study suggests that drugs which inhibit CYP2D6, such as paroxetine, will
291 elevate plasma levels of thioridazine. Therefore, it is recommended that paroxetine not be
292 used in combination with thioridazine (see CONTRAINDICATIONS and
293 PRECAUTIONS).

294 **Clinical Worsening and Suicide Risk:** Patients with major depressive disorder, both adult
295 and pediatric, may experience worsening of their depression and/or the emergence of suicidal
296 ideation and behavior (suicidality), whether or not they are taking antidepressant medications,
297 and this risk may persist until significant remission occurs. Although there has been a long-
298 standing concern that antidepressants may have a role in inducing worsening of depression and
299 the emergence of suicidality in certain patients, a causal role for antidepressants in inducing such
300 behaviors has not been established. **Nevertheless, patients being treated with antidepressants
301 should be observed closely for clinical worsening and suicidality, especially at the beginning
302 of a course of drug therapy, or at the time of dose changes, either increases or decreases.**
303 Consideration should be given to changing the therapeutic regimen, including possibly
304 discontinuing the medication, in patients whose depression is persistently worse or whose

305 emergent suicidality is severe, abrupt in onset, or was not part of the patient's presenting
306 symptoms.

307 Because of the possibility of co-morbidity between major depressive disorder and other
308 psychiatric and nonpsychiatric disorders, the same precautions observed when treating patients
309 with major depressive disorder should be observed when treating patients with other psychiatric
310 and nonpsychiatric disorders.

311 The following symptoms, anxiety, agitation, panic attacks, insomnia, irritability, hostility
312 (aggressiveness), impulsivity, akathisia (psychomotor restlessness), hypomania, and mania, have
313 been reported in adult and pediatric patients being treated with antidepressants for major
314 depressive disorder as well as for other indications, both psychiatric and nonpsychiatric.
315 Although a causal link between the emergence of such symptoms and either the worsening of
316 depression and/or the emergence of suicidal impulses has not been established, consideration
317 should be given to changing the therapeutic regimen, including possibly discontinuing the
318 medication, in patients for whom such symptoms are severe, abrupt in onset, or were not part of
319 the patient's presenting symptoms.

320 **Families and caregivers of patients being treated with antidepressants for major**
321 **depressive disorder or other indications, both psychiatric and nonpsychiatric, should be**
322 **alerted about the need to monitor patients for the emergence of agitation, irritability, and**
323 **the other symptoms described above, as well as the emergence of suicidality, and to report**
324 **such symptoms immediately to health care providers.** Prescriptions for PAXIL CR should be
325 written for the smallest quantity of tablets consistent with good patient management, in order to
326 reduce the risk of overdose.

327 If the decision has been made to discontinue treatment, medication should be tapered, as
328 rapidly as is feasible, but with recognition that abrupt discontinuation can be associated with
329 certain symptoms (see PRECAUTIONS and DOSAGE AND ADMINISTRATION—
330 Discontinuation of Treatment With PAXIL CR, for a description of the risks of discontinuation
331 of PAXIL CR).

332 It should be noted that PAXIL CR is not approved for use in treating any indications in the
333 pediatric population.

334 A major depressive episode may be the initial presentation of bipolar disorder. It is generally
335 believed (though not established in controlled trials) that treating such an episode with an
336 antidepressant alone may increase the likelihood of precipitation of a mixed/manic episode in
337 patients at risk for bipolar disorder. Whether any of the symptoms described above represent
338 such a conversion is unknown. However, prior to initiating treatment with an antidepressant,
339 patients should be adequately screened to determine if they are at risk for bipolar disorder; such
340 screening should include a detailed psychiatric history, including a family history of suicide,
341 bipolar disorder, and depression. It should be noted that PAXIL CR is not approved for use in
342 treating bipolar depression.

343 **PRECAUTIONS**

344 **General: Activation of Mania/Hypomania:** During premarketing testing of
345 immediate-release paroxetine hydrochloride, hypomania or mania occurred in approximately
346 1.0% of paroxetine-treated unipolar patients compared to 1.1% of active-control and 0.3% of
347 placebo-treated unipolar patients. In a subset of patients classified as bipolar, the rate of manic
348 episodes was 2.2% for immediate-release paroxetine and 11.6% for the combined active-control
349 groups. Among 1,627 patients with major depressive disorder, panic disorder, social anxiety
350 disorder, or PMDD treated with PAXIL CR in controlled clinical studies, there were no reports
351 of mania or hypomania. As with all drugs effective in the treatment of major depressive disorder,
352 PAXIL CR should be used cautiously in patients with a history of mania.

353 **Seizures:** During premarketing testing of immediate-release paroxetine hydrochloride,
354 seizures occurred in 0.1% of paroxetine-treated patients, a rate similar to that associated with
355 other drugs effective in the treatment of major depressive disorder. Among 1,627 patients who
356 received PAXIL CR in controlled clinical trials in major depressive disorder, panic disorder,
357 social anxiety disorder, or PMDD, 1 patient (0.1%) experienced a seizure. PAXIL CR should be
358 used cautiously in patients with a history of seizures. It should be discontinued in any patient
359 who develops seizures.

360 **Discontinuation of Treatment With PAXIL CR:** Adverse events while discontinuing
361 therapy with PAXIL CR were not systematically evaluated in most clinical trials; however, in
362 recent placebo-controlled clinical trials utilizing daily doses of PAXIL CR up to 37.5 mg/day,
363 spontaneously reported adverse events while discontinuing therapy with PAXIL CR were
364 evaluated. Patients receiving 37.5 mg/day underwent an incremental decrease in the daily dose
365 by 12.5 mg/day to a dose of 25 mg/day for 1 week before treatment was stopped. For patients
366 receiving 25 mg/day or 12.5 mg/day, treatment was stopped without an incremental decrease in
367 dose. With this regimen in those studies, the following adverse events were reported for
368 PAXIL CR, at an incidence of 2% or greater for PAXIL CR and were at least twice that reported
369 for placebo: Dizziness, nausea, nervousness, and additional symptoms described by the
370 investigator as associated with tapering or discontinuing PAXIL CR (e.g., emotional lability,
371 headache, agitation, electric shock sensations, fatigue, and sleep disturbances). These events
372 were reported as serious in 0.3% of patients who discontinued therapy with PAXIL CR.

373 During marketing of PAXIL CR and other SSRIs and SNRIs (serotonin and norepinephrine
374 reuptake inhibitors), there have been spontaneous reports of adverse events occurring upon
375 discontinuation of these drugs, (particularly when abrupt), including the following: Dysphoric
376 mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric
377 shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, and
378 hypomania. While these events are generally self-limiting, there have been reports of serious
379 discontinuation symptoms.

380 Patients should be monitored for these symptoms when discontinuing treatment with
381 PAXIL CR. A gradual reduction in the dose rather than abrupt cessation is recommended
382 whenever possible. If intolerable symptoms occur following a decrease in the dose or upon

383 discontinuation of treatment, then resuming the previously prescribed dose may be considered.
384 Subsequently, the physician may continue decreasing the dose but at a more gradual rate (see
385 DOSAGE AND ADMINISTRATION).

386 **Hyponatremia:** Several cases of hyponatremia have been reported with immediate-release
387 paroxetine hydrochloride. The hyponatremia appeared to be reversible when paroxetine was
388 discontinued. The majority of these occurrences have been in elderly individuals, some in
389 patients taking diuretics or who were otherwise volume depleted.

390 **Abnormal Bleeding:** Published case reports have documented the occurrence of bleeding
391 episodes in patients treated with psychotropic drugs that interfere with serotonin reuptake.
392 Subsequent epidemiological studies, both of the case-control and cohort design, have
393 demonstrated an association between use of psychotropic drugs that interfere with serotonin
394 reuptake and the occurrence of upper gastrointestinal bleeding. In 2 studies, concurrent use of a
395 nonsteroidal anti-inflammatory drug (NSAID) or aspirin potentiated the risk of bleeding (see
396 Drug Interactions). Although these studies focused on upper gastrointestinal bleeding, there is
397 reason to believe that bleeding at other sites may be similarly potentiated. Patients should be
398 cautioned regarding the risk of bleeding associated with the concomitant use of paroxetine with
399 NSAIDs, aspirin, or other drugs that affect coagulation.

400 **Use in Patients With Concomitant Illness:** Clinical experience with immediate-release
401 paroxetine hydrochloride in patients with certain concomitant systemic illness is limited. Caution
402 is advisable in using PAXIL CR in patients with diseases or conditions that could affect
403 metabolism or hemodynamic responses.

404 As with other SSRIs, mydriasis has been infrequently reported in premarketing studies with
405 paroxetine hydrochloride. A few cases of acute angle closure glaucoma associated with therapy
406 with immediate-release paroxetine have been reported in the literature. As mydriasis can cause
407 acute angle closure in patients with narrow angle glaucoma, caution should be used when
408 PAXIL CR is prescribed for patients with narrow angle glaucoma.

409 PAXIL CR or the immediate-release formulation has not been evaluated or used to any
410 appreciable extent in patients with a recent history of myocardial infarction or unstable heart
411 disease. Patients with these diagnoses were excluded from clinical studies during premarket
412 testing. Evaluation of electrocardiograms of 682 patients who received immediate-release
413 paroxetine hydrochloride in double-blind, placebo-controlled trials, however, did not indicate
414 that paroxetine is associated with the development of significant ECG abnormalities. Similarly,
415 paroxetine hydrochloride does not cause any clinically important changes in heart rate or blood
416 pressure.

417 Increased plasma concentrations of paroxetine occur in patients with severe renal impairment
418 (creatinine clearance <30 mL/min.) or severe hepatic impairment. A lower starting dose should
419 be used in such patients (see DOSAGE AND ADMINISTRATION).

420 **Information for Patients:** Physicians are advised to discuss the following issues with patients
421 for whom they prescribe PAXIL CR:

422 Patients and their families should be encouraged to be alert to the emergence of anxiety,
423 agitation, panic attacks, insomnia, irritability, hostility, impulsivity, akathisia, hypomania, mania,
424 worsening of depression, and suicidal ideation, especially early during antidepressant treatment.
425 Such symptoms should be reported to the patient's physician, especially if they are severe, abrupt
426 in onset, or were not part of the patient's presenting symptoms.

427 PAXIL CR should not be chewed or crushed, and should be swallowed whole.

428 **Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.):** Patients
429 should be cautioned about the concomitant use of paroxetine and NSAIDs, aspirin, or other drugs
430 that affect coagulation since the combined use of psychotropic drugs that interfere with serotonin
431 reuptake and these agents has been associated with an increased risk of bleeding.

432 **Interference With Cognitive and Motor Performance:** Any psychoactive drug may
433 impair judgment, thinking, or motor skills. Although in controlled studies immediate-release
434 paroxetine hydrochloride has not been shown to impair psychomotor performance, patients
435 should be cautioned about operating hazardous machinery, including automobiles, until they are
436 reasonably certain that therapy with PAXIL CR does not affect their ability to engage in such
437 activities.

438 **Completing Course of Therapy:** While patients may notice improvement with use of
439 PAXIL CR in 1 to 4 weeks, they should be advised to continue therapy as directed.

440 **Concomitant Medications:** Patients should be advised to inform their physician if they are
441 taking, or plan to take, any prescription or over-the-counter drugs, since there is a potential for
442 interactions.

443 **Alcohol:** Although immediate-release paroxetine hydrochloride has not been shown to
444 increase the impairment of mental and motor skills caused by alcohol, patients should be advised
445 to avoid alcohol while taking PAXIL CR.

446 **Pregnancy:** Patients should be advised to notify their physician if they become pregnant or
447 intend to become pregnant during therapy.

448 **Nursing:** Patients should be advised to notify their physician if they are breast-feeding an
449 infant (see PRECAUTIONS—Nursing Mothers).

450 **Laboratory Tests:** There are no specific laboratory tests recommended.

451 **Drug Interactions: Tryptophan:** As with other serotonin reuptake inhibitors, an interaction
452 between paroxetine and tryptophan may occur when they are coadministered. Adverse
453 experiences, consisting primarily of headache, nausea, sweating, and dizziness, have been
454 reported when tryptophan was administered to patients taking immediate-release paroxetine.
455 Consequently, concomitant use of PAXIL CR with tryptophan is not recommended.

456 **Monoamine Oxidase Inhibitors:** See CONTRAINDICATIONS and WARNINGS.

457 **Thioridazine:** See CONTRAINDICATIONS and WARNINGS.

458 **Warfarin:** Preliminary data suggest that there may be a pharmacodynamic interaction (that
459 causes an increased bleeding diathesis in the face of unaltered prothrombin time) between
460 paroxetine and warfarin. Since there is little clinical experience, the concomitant administration

461 of PAXIL CR and warfarin should be undertaken with caution (see Drugs That Interfere With
462 Hemostasis).

463 **Sumatriptan:** There have been rare postmarketing reports describing patients with
464 weakness, hyperreflexia, and incoordination following the use of an SSRI and sumatriptan. If
465 concomitant treatment with sumatriptan and an SSRI (e.g., fluoxetine, fluvoxamine, paroxetine,
466 sertraline) is clinically warranted, appropriate observation of the patient is advised.

467 **Drugs Affecting Hepatic Metabolism:** The metabolism and pharmacokinetics of
468 paroxetine may be affected by the induction or inhibition of drug-metabolizing enzymes.

469 **Cimetidine:** Cimetidine inhibits many cytochrome P₄₅₀ (oxidative) enzymes. In a study
470 where immediate-release paroxetine (30 mg once daily) was dosed orally for 4 weeks,
471 steady-state plasma concentrations of paroxetine were increased by approximately 50% during
472 coadministration with oral cimetidine (300 mg three times daily) for the final week. Therefore,
473 when these drugs are administered concurrently, dosage adjustment of PAXIL CR after the
474 starting dose should be guided by clinical effect. The effect of paroxetine on cimetidine's
475 pharmacokinetics was not studied.

476 **Phenobarbital:** Phenobarbital induces many cytochrome P₄₅₀ (oxidative) enzymes. When a
477 single oral 30-mg dose of immediate-release paroxetine was administered at phenobarbital
478 steady state (100 mg once daily for 14 days), paroxetine AUC and T_{1/2} were reduced (by an
479 average of 25% and 38%, respectively) compared to paroxetine administered alone. The effect of
480 paroxetine on phenobarbital pharmacokinetics was not studied. Since paroxetine exhibits
481 nonlinear pharmacokinetics, the results of this study may not address the case where the 2 drugs
482 are both being chronically dosed. No initial dosage adjustment with PAXIL CR is considered
483 necessary when coadministered with phenobarbital; any subsequent adjustment should be guided
484 by clinical effect.

485 **Phenytoin:** When a single oral 30-mg dose of immediate-release paroxetine was
486 administered at phenytoin steady state (300 mg once daily for 14 days), paroxetine AUC and T_{1/2}
487 were reduced (by an average of 50% and 35%, respectively) compared to immediate-release
488 paroxetine administered alone. In a separate study, when a single oral 300-mg dose of phenytoin
489 was administered at paroxetine steady state (30 mg once daily for 14 days), phenytoin AUC was
490 slightly reduced (12% on average) compared to phenytoin administered alone. Since both drugs
491 exhibit nonlinear pharmacokinetics, the above studies may not address the case where the
492 2 drugs are both being chronically dosed. No initial dosage adjustments are considered necessary
493 when PAXIL CR is coadministered with phenytoin; any subsequent adjustments should be
494 guided by clinical effect (see ADVERSE REACTIONS—Postmarketing Reports).

495 **Drugs Metabolized by CYP2D6:** Many drugs, including most drugs effective in the
496 treatment of major depressive disorder (paroxetine, other SSRIs, and many tricyclics), are
497 metabolized by the cytochrome P₄₅₀ isozyme CYP2D6. Like other agents that are metabolized by
498 CYP2D6, paroxetine may significantly inhibit the activity of this isozyme. In most patients
499 (>90%), this CYP2D6 isozyme is saturated early during paroxetine dosing. In 1 study, daily
500 dosing of immediate-release paroxetine (20 mg once daily) under steady-state conditions

501 increased single-dose desipramine (100 mg) C_{max} , AUC, and $T_{1/2}$ by an average of approximately
502 2-, 5-, and 3-fold, respectively. Concomitant use of paroxetine with risperidone, a CYP2D6
503 substrate has also been evaluated. In 1 study, daily dosing of paroxetine 20 mg in patients
504 stabilized on risperidone (4 to 8 mg/day) increased mean plasma concentrations of risperidone
505 approximately 4-fold, decreased 9-hydroxyrisperidone concentrations approximately 10%, and
506 increased concentrations of the active moiety (the sum of risperidone plus 9-hydroxyrisperidone)
507 approximately 1.4-fold. The effect of paroxetine on the pharmacokinetics of atomoxetine has
508 been evaluated when both drugs were at steady state. In healthy volunteers who were extensive
509 metabolizers of CYP2D6, paroxetine 20 mg daily was given in combination with 20 mg
510 atomoxetine every 12 hours. This resulted in increases in steady state atomoxetine AUC values
511 that were 6- to 8-fold greater and in atomoxetine C_{max} values that were 3- to 4-fold greater than
512 when atomoxetine was given alone. Dosage adjustment of atomoxetine may be necessary and it
513 is recommended that atomoxetine be initiated at a reduced dose when given with paroxetine.

514 Concomitant use of PAXIL CR with other drugs metabolized by cytochrome CYP2D6 has not
515 been formally studied but may require lower doses than usually prescribed for either PAXIL CR
516 or the other drug.

517 Therefore, coadministration of PAXIL CR with other drugs that are metabolized by this
518 isozyme, including certain drugs effective in the treatment of major depressive disorder (e.g.,
519 nortriptyline, amitriptyline, imipramine, desipramine, and fluoxetine), phenothiazines,
520 risperidone, and Type 1C antiarrhythmics (e.g., propafenone, flecainide, and encainide), or that
521 inhibit this enzyme (e.g., quinidine), should be approached with caution.

522 However, due to the risk of serious ventricular arrhythmias and sudden death potentially
523 associated with elevated plasma levels of thioridazine, paroxetine and thioridazine should not be
524 coadministered (see CONTRAINDICATIONS and WARNINGS).

525 At steady state, when the CYP2D6 pathway is essentially saturated, paroxetine clearance is
526 governed by alternative P_{450} isozymes that, unlike CYP2D6, show no evidence of saturation (see
527 PRECAUTIONS—Tricyclic Antidepressants).

528 **Drugs Metabolized by Cytochrome CYP3A4:** An in vivo interaction study involving
529 the coadministration under steady-state conditions of paroxetine and terfenadine, a substrate for
530 CYP3A4, revealed no effect of paroxetine on terfenadine pharmacokinetics. In addition, in vitro
531 studies have shown ketoconazole, a potent inhibitor of CYP3A4 activity, to be at least 100 times
532 more potent than paroxetine as an inhibitor of the metabolism of several substrates for this
533 enzyme, including terfenadine, astemizole, cisapride, triazolam, and cyclosporine. Based on the
534 assumption that the relationship between paroxetine's in vitro K_i and its lack of effect on
535 terfenadine's in vivo clearance predicts its effect on other CYP3A4 substrates, paroxetine's
536 extent of inhibition of CYP3A4 activity is not likely to be of clinical significance.

537 **Tricyclic Antidepressants (TCAs):** Caution is indicated in the coadministration of TCAs
538 with PAXIL CR, because paroxetine may inhibit TCA metabolism. Plasma TCA concentrations
539 may need to be monitored, and the dose of TCA may need to be reduced, if a TCA is

540 coadministered with PAXIL CR (see PRECAUTIONS—Drugs Metabolized by Cytochrome
541 CYP2D6).

542 **Drugs Highly Bound to Plasma Protein:** Because paroxetine is highly bound to plasma
543 protein, administration of PAXIL CR to a patient taking another drug that is highly protein
544 bound may cause increased free concentrations of the other drug, potentially resulting in adverse
545 events. Conversely, adverse effects could result from displacement of paroxetine by other highly
546 bound drugs.

547 **Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.):**
548 Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of
549 the case-control and cohort design that have demonstrated an association between use of
550 psychotropic drugs that interfere with serotonin reuptake and the occurrence of upper
551 gastrointestinal bleeding have also shown that concurrent use of an NSAID or aspirin potentiated
552 the risk of bleeding. Thus, patients should be cautioned about the use of such drugs concurrently
553 with paroxetine.

554 **Alcohol:** Although paroxetine does not increase the impairment of mental and motor skills
555 caused by alcohol, patients should be advised to avoid alcohol while taking PAXIL CR.

556 **Lithium:** A multiple-dose study with immediate-release paroxetine hydrochloride has shown
557 that there is no pharmacokinetic interaction between paroxetine and lithium carbonate. However,
558 since there is little clinical experience, the concurrent administration of PAXIL CR and lithium
559 should be undertaken with caution.

560 **Digoxin:** The steady-state pharmacokinetics of paroxetine was not altered when administered
561 with digoxin at steady state. Mean digoxin AUC at steady state decreased by 15% in the
562 presence of paroxetine. Since there is little clinical experience, the concurrent administration of
563 PAXIL CR and digoxin should be undertaken with caution.

564 **Diazepam:** Under steady-state conditions, diazepam does not appear to affect paroxetine
565 kinetics. The effects of paroxetine on diazepam were not evaluated.

566 **Procyclidine:** Daily oral dosing of immediate-release paroxetine (30 mg once daily)
567 increased steady-state AUC₀₋₂₄, C_{max}, and C_{min} values of procyclidine (5 mg oral once daily) by
568 35%, 37%, and 67%, respectively, compared to procyclidine alone at steady state. If
569 anticholinergic effects are seen, the dose of procyclidine should be reduced.

570 **Beta-Blockers:** In a study where propranolol (80 mg twice daily) was dosed orally for
571 18 days, the established steady-state plasma concentrations of propranolol were unaltered during
572 coadministration with immediate-release paroxetine (30 mg once daily) for the final 10 days. The
573 effects of propranolol on paroxetine have not been evaluated (see ADVERSE REACTIONS—
574 Postmarketing Reports).

575 **Theophylline:** Reports of elevated theophylline levels associated with immediate-release
576 paroxetine treatment have been reported. While this interaction has not been formally studied, it
577 is recommended that theophylline levels be monitored when these drugs are concurrently
578 administered.

579 **Electroconvulsive Therapy (ECT):** There are no clinical studies of the combined use of
580 ECT and PAXIL CR.

581 **Carcinogenesis, Mutagenesis, Impairment of Fertility: Carcinogenesis:** Two-year
582 carcinogenicity studies were conducted in rodents given paroxetine in the diet at 1, 5, and
583 25 mg/kg/day (mice) and 1, 5, and 20 mg/kg/day (rats). These doses are up to approximately 2
584 (mouse) and 3 (rat) times the maximum recommended human dose (MRHD) on a mg/m² basis.
585 There was a significantly greater number of male rats in the high-dose group with reticulum cell
586 sarcomas (1/100, 0/50, 0/50, and 4/50 for control, low-, middle-, and high-dose groups,
587 respectively) and a significantly increased linear trend across dose groups for the occurrence of
588 lymphoreticular tumors in male rats. Female rats were not affected. Although there was a
589 dose-related increase in the number of tumors in mice, there was no drug-related increase in the
590 number of mice with tumors. The relevance of these findings to humans is unknown.

591 **Mutagenesis:** Paroxetine produced no genotoxic effects in a battery of 5 in vitro and 2 in
592 vivo assays that included the following: Bacterial mutation assay, mouse lymphoma mutation
593 assay, unscheduled DNA synthesis assay, and tests for cytogenetic aberrations in vivo in mouse
594 bone marrow and in vitro in human lymphocytes and in a dominant lethal test in rats.

595 **Impairment of Fertility:** A reduced pregnancy rate was found in reproduction studies in
596 rats at a dose of paroxetine of 15 mg/kg/day, which is approximately twice the MRHD on a
597 mg/m² basis. Irreversible lesions occurred in the reproductive tract of male rats after dosing in
598 toxicity studies for 2 to 52 weeks. These lesions consisted of vacuolation of epididymal tubular
599 epithelium at 50 mg/kg/day and atrophic changes in the seminiferous tubules of the testes with
600 arrested spermatogenesis at 25 mg/kg/day (approximately 8 and 4 times the MRHD on a mg/m²
601 basis).

602 **Pregnancy:** Pregnancy Category C. Reproduction studies were performed at doses up to
603 50 mg/kg/day in rats and 6 mg/kg/day in rabbits administered during organogenesis. These doses
604 are approximately 8 (rat) and 2 (rabbit) times the MRHD on an mg/m² basis. These studies have
605 revealed no evidence of teratogenic effects. However, in rats, there was an increase in pup deaths
606 during the first 4 days of lactation when dosing occurred during the last trimester of gestation
607 and continued throughout lactation. This effect occurred at a dose of 1 mg/kg/day or
608 approximately one-sixth of the MRHD on an mg/m² basis. The no-effect dose for rat pup
609 mortality was not determined. The cause of these deaths is not known. There are no adequate and
610 well-controlled studies in pregnant women. This drug should be used during pregnancy only if
611 the potential benefit justifies the potential risk to the fetus.

612 **Nonteratogenic Effects:** Neonates exposed to PAXIL CR and other SSRIs or SNRIs, late
613 in the third trimester have developed complications requiring prolonged hospitalization,
614 respiratory support, and tube feeding. Such complications can arise immediately upon delivery.
615 Reported clinical findings have included respiratory distress, cyanosis, apnea, seizures,
616 temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hypertonia,
617 hyperreflexia, tremor, jitteriness, irritability, and constant crying. These features are consistent
618 with either a direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation

619 syndrome. It should be noted that, in some cases, the clinical picture is consistent with serotonin
620 syndrome (see WARNINGS—Potential for Interaction With Monoamine Oxidase Inhibitors).
621 When treating a pregnant woman with paroxetine during the third trimester, the physician should
622 carefully consider the potential risks and benefits of treatment (see DOSAGE AND
623 ADMINISTRATION).

624 **Labor and Delivery:** The effect of paroxetine on labor and delivery in humans is unknown.

625 **Nursing Mothers:** Like many other drugs, paroxetine is secreted in human milk, and caution
626 should be exercised when PAXIL CR is administered to a nursing woman.

627 **Pediatric Use:** Safety and effectiveness in the pediatric population have not been established
628 (see WARNINGS—Clinical Worsening and Suicide Risk).

629 **Geriatric Use:** In worldwide premarketing clinical trials with immediate-release paroxetine
630 hydrochloride, 17% of paroxetine-treated patients (approximately 700) were 65 years or older.
631 Pharmacokinetic studies revealed a decreased clearance in the elderly, and a lower starting dose
632 is recommended; there were, however, no overall differences in the adverse event profile
633 between elderly and younger patients, and effectiveness was similar in younger and older
634 patients (see CLINICAL PHARMACOLOGY and DOSAGE AND ADMINISTRATION).

635 In a controlled study focusing specifically on elderly patients with major depressive disorder,
636 PAXIL CR was demonstrated to be safe and effective in the treatment of elderly patients (>60
637 years) with major depressive disorder. (See CLINICAL PHARMACOLOGY—Clinical Trials
638 and ADVERSE REACTIONS—Table 2.)

639 **ADVERSE REACTIONS**

640 The information included under the “Adverse Findings Observed in Short-Term,
641 Placebo-Controlled Trials With PAXIL CR” subsection of ADVERSE REACTIONS is based on
642 data from 11 placebo-controlled clinical trials. Three of these studies were conducted in patients
643 with major depressive disorder, 3 studies were done in patients with panic disorder, 1 study was
644 conducted in patients with social anxiety disorder, and 4 studies were done in female patients
645 with PMDD. Two of the studies in major depressive disorder, which enrolled patients in the age
646 range 18 to 65 years, are pooled. Information from a third study of major depressive disorder,
647 which focused on elderly patients (60 to 88 years), is presented separately as is the information
648 from the panic disorder studies and the information from the PMDD studies. Information on
649 additional adverse events associated with PAXIL CR and the immediate-release formulation of
650 paroxetine hydrochloride is included in a separate subsection (see Other Events).

651 **Adverse Findings Observed in Short-Term, Placebo-Controlled Trials With PAXIL** 652 **CR:**

653 **Adverse Events Associated With Discontinuation of Treatment: *Major Depressive***
654 ***Disorder:*** Ten percent (21/212) of patients treated with PAXIL CR discontinued treatment due
655 to an adverse event in a pool of 2 studies of patients with major depressive disorder. The most
656 common events ($\geq 1\%$) associated with discontinuation and considered to be drug related (i.e.,

657 those events associated with dropout at a rate approximately twice or greater for PAXIL CR
658 compared to placebo) included the following:

	PAXIL CR (n = 212)	Placebo (n = 211)
Nausea	3.7%	0.5%
Asthenia	1.9%	0.5%
Dizziness	1.4%	0.0%
Somnolence	1.4%	0.0%

659
660 In a placebo-controlled study of elderly patients with major depressive disorder, 13% (13/104)
661 of patients treated with PAXIL CR discontinued due to an adverse event. Events meeting the
662 above criteria included the following:

	PAXIL CR (n = 104)	Placebo (n = 109)
Nausea	2.9%	0.0%
Headache	1.9%	0.9%
Depression	1.9%	0.0%
LFT's abnormal	1.9%	0.0%

663
664 **Panic Disorder:** Eleven percent (50/444) of patients treated with PAXIL CR in panic
665 disorder studies discontinued treatment due to an adverse event. Events meeting the above
666 criteria included the following:

	PAXIL CR (n = 444)	Placebo (n = 445)
Nausea	2.9%	0.4%
Insomnia	1.8%	0.0%
Headache	1.4%	0.2%
Asthenia	1.1%	0.0%

667
668 **Social Anxiety Disorder:** Three percent (5/186) of patients treated with PAXIL CR in the
669 social anxiety disorder study discontinued treatment due to an adverse event. Events meeting the
670 above criteria included the following:

	PAXIL CR (n = 186)	Placebo (n = 184)
Nausea	2.2%	0.5%
Headache	1.6%	0.5%
Diarrhea	1.1%	0.5%

671
672 **Premenstrual Dysphoric Disorder:** Spontaneously reported adverse events were
673 monitored in studies of both continuous and intermittent dosing of PAXIL CR in the treatment of
674 PMDD. Generally, there were few differences in the adverse event profiles of the 2 dosing
675 regimens. Thirteen percent (88/681) of patients treated with PAXIL CR in PMDD studies of
676 continuous dosing discontinued treatment due to an adverse event.

677 The most common events ($\geq 1\%$) associated with discontinuation in either group treated with
678 PAXIL CR with an incidence rate that is at least twice that of placebo in PMDD trials that
679 employed a continuous dosing regimen are shown in the following table. This table also shows
680 those events that were dose dependent (indicated with an asterisk) as defined as events having an
681 incidence rate with 25 mg of PAXIL CR that was at least twice that with 12.5 mg of PAXIL CR
682 (as well as the placebo group).

	PAXIL CR 25 mg (n = 348)	PAXIL CR 12.5 mg (n = 333)	Placebo (n = 349)
TOTAL	15%	9.9%	6.3%
Nausea*	6.0%	2.4%	0.9%
Asthenia	4.9%	3.0%	1.4%
Somnolence*	4.3%	1.8%	0.3%
Insomnia	2.3%	1.5%	0.0%
Concentration Impaired*	2.0%	0.6%	0.3%
Dry mouth*	2.0%	0.6%	0.3%
Dizziness*	1.7%	0.6%	0.6%
Decreased Appetite*	1.4%	0.6%	0.0%
Sweating*	1.4%	0.0%	0.3%
Tremor*	1.4%	0.3%	0.0%
Yawn*	1.1%	0.0%	0.0%
Diarrhea	0.9%	1.2%	0.0%

683 * Events considered to be dose dependent are defined as events having an incidence rate with
684 25 mg of PAXIL CR that was at least twice that with 12.5 mg of PAXIL CR (as well as the
685 placebo group).
686

687 **Commonly Observed Adverse Events: Major Depressive Disorder:**

688 The most commonly observed adverse events associated with the use of
689 PAXIL CR in a pool of 2 trials (incidence of 5.0% or greater and incidence for

690 PAXIL CR at least twice that for placebo, derived from Table 1) were: Abnormal
691 ejaculation, abnormal vision, constipation, decreased libido, diarrhea, dizziness,
692 female genital disorders, nausea, somnolence, sweating, trauma, tremor, and
693 yawning.

694 Using the same criteria, the adverse events associated with the use of PAXIL CR in a study of
695 elderly patients with major depressive disorder were: Abnormal ejaculation, constipation,
696 decreased appetite, dry mouth, impotence, infection, libido decreased, sweating, and tremor.

697 **Panic Disorder:** In the pool of panic disorder studies, the adverse events meeting these
698 criteria were: Abnormal ejaculation, somnolence, impotence, libido decreased, tremor, sweating,
699 and female genital disorders (generally anorgasmia or difficulty achieving orgasm).

700 **Social Anxiety Disorder:** In the social anxiety disorder study, the adverse events meeting
701 these criteria were: Nausea, asthenia, abnormal ejaculation, sweating, somnolence, impotence,
702 insomnia, and libido decreased.

703 **Premenstrual Dysphoric Disorder:** The most commonly observed adverse events
704 associated with the use of PAXIL CR either during continuous dosing or luteal phase dosing
705 (incidence of 5% or greater and incidence for PAXIL CR at least twice that for placebo, derived
706 from Table 5) were: Nausea, asthenia, libido decreased, somnolence, insomnia, female genital
707 disorders, sweating, dizziness, diarrhea, and constipation.

708 In the luteal phase dosing PMDD trial, which employed dosing of 12.5 mg/day or 25 mg/day
709 of PAXIL CR limited to the 2 weeks prior to the onset of menses over 3 consecutive menstrual
710 cycles, adverse events were evaluated during the first 14 days of each off-drug phase. When the
711 3 off-drug phases were combined, the following adverse events were reported at an incidence of
712 2% or greater for PAXIL CR and were at least twice the rate of that reported for placebo:
713 Infection (5.3% versus 2.5%), depression (2.8% versus 0.8%), insomnia (2.4% versus 0.8%),
714 sinusitis (2.4% versus 0%), and asthenia (2.0% versus 0.8%).

715 **Incidence in Controlled Clinical Trials:** Table 1 enumerates adverse events that occurred at
716 an incidence of 1% or more among patients treated with PAXIL CR, aged 18 to 65, who
717 participated in 2 short-term (12-week) placebo-controlled trials in major depressive disorder in
718 which patients were dosed in a range of 25 mg to 62.5 mg/day. Table 2 enumerates adverse
719 events reported at an incidence of 5% or greater among elderly patients (ages 60 to 88) treated
720 with PAXIL CR who participated in a short-term (12-week) placebo-controlled trial in major
721 depressive disorder in which patients were dosed in a range of 12.5 mg to 50 mg/day. Table 3
722 enumerates adverse events reported at an incidence of 1% or greater among patients (19 to 72
723 years) treated with PAXIL CR who participated in short-term (10-week) placebo-controlled trials
724 in panic disorder in which patients were dosed in a range of 12.5 mg to 75 mg/day. Table 4
725 enumerates adverse events reported at an incidence of 1% or greater among adult patients treated
726 with PAXIL CR who participated in a short-term (12-week), double-blind, placebo-controlled
727 trial in social anxiety disorder in which patients were dosed in a range of 12.5 to 37.5 mg/day.
728 Table 5 enumerates adverse events that occurred at an incidence of 1% or more among patients
729 treated with PAXIL CR who participated in three, 12-week, placebo-controlled trials in PMDD

730 in which patients were dosed at 12.5 mg/day or 25 mg/day and in one 12-week
 731 placebo-controlled trial in which patients were dosed for 2 weeks prior to the onset of menses
 732 (luteal phase dosing) at 12.5 mg/day or 25 mg/day. Reported adverse events were classified
 733 using a standard COSTART-based Dictionary terminology.

734 The prescriber should be aware that these figures cannot be used to predict the incidence of
 735 side effects in the course of usual medical practice where patient characteristics and other factors
 736 differ from those that prevailed in the clinical trials. Similarly, the cited frequencies cannot be
 737 compared with figures obtained from other clinical investigations involving different treatments,
 738 uses, and investigators. The cited figures, however, do provide the prescribing physician with
 739 some basis for estimating the relative contribution of drug and nondrug factors to the side effect
 740 incidence rate in the population studied.

741
 742 **Table 1. Treatment-Emergent Adverse Events Occurring in $\geq 1\%$ of Patients Treated With**
 743 **PAXIL CR in a Pool of 2 Studies in Major Depressive Disorder^{1,2}**

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 212)	Placebo (n = 211)
Body as a Whole		
Headache	27%	20%
Asthenia	14%	9%
Infection ³	8%	5%
Abdominal Pain	7%	4%
Back Pain	5%	3%
Trauma ⁴	5%	1%
Pain ⁵	3%	1%
Allergic Reaction ⁶	2%	1%
Cardiovascular System		
Tachycardia	1%	0%
Vasodilatation ⁷	2%	0%
Digestive System		
Nausea	22%	10%
Diarrhea	18%	7%
Dry Mouth	15%	8%
Constipation	10%	4%
Flatulence	6%	4%
Decreased Appetite	4%	2%
Vomiting	2%	1%
Nervous System		
Somnolence	22%	8%
Insomnia	17%	9%
Dizziness	14%	4%
Libido Decreased	7%	3%
Tremor	7%	1%

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 212)	Placebo (n = 211)
Hypertonia	3%	1%
Paresthesia	3%	1%
Agitation	2%	1%
Confusion	1%	0%
Respiratory System		
Yawn	5%	0%
Rhinitis	4%	1%
Cough Increased	2%	1%
Bronchitis	1%	0%
Skin and Appendages		
Sweating	6%	2%
Photosensitivity	2%	0%
Special Senses		
Abnormal Vision ⁸	5%	1%
Taste Perversion	2%	0%
Urogenital System		
Abnormal Ejaculation ^{9,10}	26%	1%
Female Genital Disorder ^{9,11}	10%	<1%
Impotence ⁹	5%	3%
Urinary Tract Infection	3%	1%
Menstrual Disorder ⁹	2%	<1%
Vaginitis ⁹	2%	0%

- 744 1. Adverse events for which the PAXIL CR reporting incidence was less
745 than or equal to the placebo incidence are not included. These events are:
746 Abnormal dreams, anxiety, arthralgia, depersonalization, dysmenorrhea,
747 dyspepsia, hyperkinesia, increased appetite, myalgia, nervousness,
748 pharyngitis, purpura, rash, respiratory disorder, sinusitis, urinary
749 frequency, and weight gain.
- 750 2. <1% means greater than zero and less than 1%.
- 751 3. Mostly flu.
- 752 4. A wide variety of injuries with no obvious pattern.
- 753 5. Pain in a variety of locations with no obvious pattern.
- 754 6. Most frequently seasonal allergic symptoms.
- 755 7. Usually flushing.
- 756 8. Mostly blurred vision.
- 757 9. Based on the number of males or females.
- 758 10. Mostly anorgasmia or delayed ejaculation.
- 759 11. Mostly anorgasmia or delayed orgasm.

760

761 **Table 2. Treatment-Emergent Adverse Events Occurring in $\geq 5\%$ of**
 762 **Patients Treated With PAXIL CR in a Study of Elderly Patients With Major Depressive**
 763 **Disorder^{1,2}**

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 104)	Placebo (n = 109)
Body as a Whole		
Headache	17%	13%
Asthenia	15%	14%
Trauma	8%	5%
Infection	6%	2%
Digestive System		
Dry Mouth	18%	7%
Diarrhea	15%	9%
Constipation	13%	5%
Dyspepsia	13%	10%
Decreased Appetite	12%	5%
Flatulence	8%	7%
Nervous System		
Somnolence	21%	12%
Insomnia	10%	8%
Dizziness	9%	5%
Libido Decreased	8%	<1%
Tremor	7%	0%
Skin and Appendages		
Sweating	10%	<1%
Urogenital System		
Abnormal Ejaculation ^{3,4}	17%	3%
Impotence ³	9%	3%

764 1. Adverse events for which the PAXIL CR reporting incidence was less than or
 765 equal to the placebo incidence are not included. These events are nausea and
 766 respiratory disorder.

767 2. <1% means greater than zero and less than 1%.

768 3. Based on the number of males.

769 4. Mostly anorgasmia or delayed ejaculation.

770

771 **Table 3. Treatment-Emergent Adverse Events Occurring in $\geq 1\%$ of**
 772 **Patients Treated With PAXIL CR in a Pool of 3 Panic Disorder Studies^{1,2}**

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 444)	Placebo (n = 445)
Body as a Whole		
Asthenia	15%	10%
Abdominal Pain	6%	4%
Trauma ³	5%	4%

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 444)	Placebo (n = 445)
Cardiovascular System		
Vasodilation ⁴	3%	2%
Digestive System		
Nausea	23%	17%
Dry Mouth	13%	9%
Diarrhea	12%	9%
Constipation	9%	6%
Decreased Appetite	8%	6%
Metabolic/Nutritional Disorders		
Weight Loss	1%	0%
Musculoskeletal System		
Myalgia	5%	3%
Nervous System		
Insomnia	20%	11%
Somnolence	20%	9%
Libido Decreased	9%	4%
Nervousness	8%	7%
Tremor	8%	2%
Anxiety	5%	4%
Agitation	3%	2%
Hypertonia ⁵	2%	<1%
Myoclonus	2%	<1%
Respiratory System		
Sinusitis	8%	5%
Yawn	3%	0%
Skin and Appendages		
Sweating	7%	2%
Special Senses		
Abnormal Vision ⁶	3%	<1%
Urogenital System		
Abnormal Ejaculation ^{7,8}	27%	3%
Impotence ⁷	10%	1%
Female Genital Disorders ^{9,10}	7%	1%
Urinary Frequency	2%	<1%
Urination Impaired	2%	<1%
Vaginitis ⁹	1%	<1%

773 1. Adverse events for which the reporting rate for PAXIL CR was less than or equal
774 to the placebo rate are not included. These events are: Abnormal dreams, allergic
775 reaction, back pain, bronchitis, chest pain, concentration impaired, confusion,
776 cough increased, depression, dizziness, dysmenorrhea, dyspepsia, fever,
777 flatulence, headache, increased appetite, infection, menstrual disorder, migraine,

- 778 pain, paresthesia, pharyngitis, respiratory disorder, rhinitis, tachycardia, taste
779 perversion, thinking abnormal, urinary tract infection, and vomiting.
780 2. <1% means greater than zero and less than 1%.
781 3. Various physical injuries.
782 4. Mostly flushing.
783 5. Mostly muscle tightness or stiffness.
784 6. Mostly blurred vision.
785 7. Based on the number of male patients.
786 8. Mostly anorgasmia or delayed ejaculation.
787 9. Based on the number of female patients.
788 10. Mostly anorgasmia or difficulty achieving orgasm.
789

790 **Table 4. Treatment-Emergent Adverse Effects Occurring in ≥1% of Patients Treated With**
791 **PAXIL CR in a Social Anxiety Disorder Study^{1,2}**

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 186)	Placebo (n = 184)
Body as a Whole		
Headache	23%	17%
Asthenia	18%	7%
Abdominal Pain	5%	4%
Back Pain	4%	1%
Trauma ³	3%	<1%
Allergic Reaction ⁴	2%	<1%
Chest Pain	1%	<1%
Cardiovascular System		
Hypertension	2%	0%
Migraine	2%	1%
Tachycardia	2%	1%
Digestive System		
Nausea	22%	6%
Diarrhea	9%	8%
Constipation	5%	2%
Dry Mouth	3%	2%
Dyspepsia	2%	<1%
Decreased Appetite	1%	<1%
Tooth Disorder	1%	0%
Metabolic/Nutritional Disorders		
Weight Gain	3%	1%
Weight Loss	1%	0%
Nervous System		
Insomnia	9%	4%
Somnolence	9%	4%

Body System/Adverse Event	% Reporting Event	
	PAXIL CR (n = 186)	Placebo (n = 184)
Libido Decreased	8%	1%
Dizziness	7%	4%
Tremor	4%	2%
Anxiety	2%	1%
Concentration Impaired	2%	0%
Depression	2%	1%
Myoclonus	1%	<1%
Paresthesia	1%	<1%
Respiratory System		
Yawn	2%	0%
Skin and Appendages		
Sweating	14%	3%
Eczema	1%	0%
Special Senses		
Abnormal Vision ⁵	2%	0%
Abnormality of Accommodation	2%	0%
Urogenital System		
Abnormal Ejaculation ^{6,7}	15%	1%
Impotence ⁶	9%	0%
Female Genital Disorders ^{8,9}	3%	0%

- 792 1. Adverse events for which the reporting rate for PAXIL CR was less than or equal to the
793 placebo rate are not included. These events are: Dysmenorrhea, flatulence, gastroenteritis,
794 hypertonia, infection, pain, pharyngitis, rash, respiratory disorder, rhinitis, and vomiting.
795 2. <1% means greater than zero and less than 1%.
796 3. Various physical injuries.
797 4. Most frequently seasonal allergic symptoms.
798 5. Mostly blurred vision.
799 6. Based on the number of male patients.
800 7. Mostly anorgasmia or delayed ejaculation.
801 8. Based on the number of female patients.
802 9. Mostly anorgasmia or difficulty achieving orgasm.
803

804 **Table 5. Treatment-Emergent Adverse Events Occurring in $\geq 1\%$ of Patients Treated With**
805 **PAXIL CR in a Pool of 3 Premenstrual Dysphoric Disorder Studies with Continuous**
806 **Dosing or in 1 Premenstrual Dysphoric Disorder Study with Luteal Phase Dosing^{1,2,3}**

Body System/Adverse Event	% Reporting Event			
	Continuous Dosing		Luteal Phase Dosing	
	PAXIL CR (n = 681)	Placebo (n = 349)	PAXIL CR (n = 246)	Placebo (n = 120)
Body as a Whole				
Asthenia	17%	6%	15%	4%
Headache	15%	12%	-	-
Infection	6%	4%	-	-
Abdominal pain	-	-	3%	0%
Cardiovascular System				
Migraine	1%	<1%	-	-
Digestive System				
Nausea	17%	7%	18%	2%
Diarrhea	6%	2%	6%	0%
Constipation	5%	1%	2%	<1%
Dry Mouth	4%	2%	2%	<1%
Increased Appetite	3%	<1%	-	-
Decreased Appetite	2%	<1%	2%	0%
Dyspepsia	2%	1%	2%	2%
Gingivitis	-	-	1%	0%
Metabolic and Nutritional Disorders				
Generalized Edema	-	-	1%	<1%
Weight Gain	-	-	1%	<1%
Musculoskeletal System				
Arthralgia	2%	1%	-	-
Nervous System				
Libido Decreased	12%	5%	9%	6%
Somnolence	9%	2%	3%	<1%
Insomnia	8%	2%	7%	3%
Dizziness	7%	3%	6%	3%
Tremor	4%	<1%	5%	0%
Concentration Impaired	3%	<1%	1%	0%
Nervousness	2%	<1%	3%	2%
Anxiety	2%	1%	-	-
Lack of Emotion	2%	<1%	-	-
Depression	-	-	2%	<1%
Vertigo	-	-	2%	<1%
Abnormal Dreams	1%	<1%	-	-
Amnesia	-	-	1%	0%
Respiratory System				
Sinusitis	-	-	4%	2%

Body System/Adverse Event	% Reporting Event			
	Continuous Dosing		Luteal Phase Dosing	
	PAXIL CR (n = 681)	Placebo (n = 349)	PAXIL CR (n = 246)	Placebo (n = 120)
Yawn	2%	<1%	-	-
Bronchitis	-	-	2%	0%
Cough Increased	1%	<1%	-	-
Skin and Appendages				
Sweating	7%	<1%	6%	<1%
Special Senses				
Abnormal Vision	-	-	1%	0%
Urogenital System				
Female Genital Disorders ⁴	8%	1%	2%	0%
Menorrhagia	1%	<1%	-	-
Vaginal Moniliasis	1%	<1%	-	-
Menstrual Disorder	-	-	1%	0%

807 1. Adverse events for which the reporting rate of PAXIL CR was less than or equal to the
808 placebo rate are not included. These events for continuous dosing are: Abdominal pain, back
809 pain, pain, trauma, weight gain, myalgia, pharyngitis, respiratory disorder, rhinitis, sinusitis,
810 pruritis, dysmenorrhea, menstrual disorder, urinary tract infection, and vomiting. The events for
811 luteal phase dosing are: Allergic reaction, back pain, headache, infection, pain, trauma, myalgia,
812 anxiety, pharyngitis, respiratory disorder, cystitis, and dysmenorrhea.

813 2. <1% means greater than zero and less than 1%.

814 3. The luteal phase and continuous dosing PMDD trials were not designed for making direct
815 comparisons between the 2 dosing regimens. Therefore, a comparison between the 2 dosing
816 regimens of the PMDD trials of incidence rates shown in Table 5 should be avoided.

817 4. Mostly anorgasmia or difficulty achieving orgasm.

818

819 **Dose Dependency of Adverse Events:** The following table shows results in PMDD
820 trials of common adverse events, defined as events with an incidence of $\geq 1\%$ with 25 mg of
821 PAXIL CR that was at least twice that with 12.5 mg of PAXIL CR and with placebo.

822

Incidence of Common Adverse Events in Placebo, 12.5 mg and 25 mg of PAXIL CR in a Pool of 3 Fixed-Dose PMDD Trials

Common Adverse Event	PAXIL CR	PAXIL CR	Placebo
	25 mg (n = 348)	12.5 mg (n = 333)	(n = 349)
Sweating	8.9%	4.2%	0.9%
Tremor	6.0%	1.5%	0.3%
Concentration Impaired	4.3%	1.5%	0.6%

Yawn	3.2%	0.9%	0.3%
Paresthesia	1.4%	0.3%	0.3%
Hyperkinesia	1.1%	0.3%	0.0%
Vaginitis	1.1%	0.3%	0.3%

823

824 A comparison of adverse event rates in a fixed-dose study comparing immediate-release
825 paroxetine with placebo in the treatment of major depressive disorder revealed a clear dose
826 dependency for some of the more common adverse events associated with the use of
827 immediate-release paroxetine.

828 **Male and Female Sexual Dysfunction With SSRIs:** Although changes in sexual desire,
829 sexual performance, and sexual satisfaction often occur as manifestations of a psychiatric
830 disorder, they may also be a consequence of pharmacologic treatment. In particular, some
831 evidence suggests that SSRIs can cause such untoward sexual experiences.

832 Reliable estimates of the incidence and severity of untoward experiences involving sexual
833 desire, performance, and satisfaction are difficult to obtain; however, in part because patients and
834 physicians may be reluctant to discuss them. Accordingly, estimates of the incidence of
835 untoward sexual experience and performance cited in product labeling, are likely to
836 underestimate their actual incidence.

837 The percentage of patients reporting symptoms of sexual dysfunction in the pool of 2
838 placebo-controlled trials in nonelderly patients with major depressive disorder, in the pool of 3
839 placebo-controlled trials in patients with panic disorder, in the placebo-controlled trial in patients
840 with social anxiety disorder, and in the intermittent dosing and the pool of 3 placebo-controlled
841 continuous dosing trials in female patients with PMDD are as follows:

842

	Major Depressive Disorder		Panic Disorder		Social Anxiety Disorder		PMDD Continuous Dosing		PMDD Luteal Phase Dosing	
	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo	PAXIL CR	Placebo
n (males)	78	78	162	194	88	97	n/a	n/a	n/a	n/a
Decreased Libido	10%	5%	9%	6%	13%	1%	n/a	n/a	n/a	n/a
Ejaculatory Disturbance	26%	1%	27%	3%	15%	1%	n/a	n/a	n/a	n/a
Impotence	5%	3%	10%	1%	9%	0%	n/a	n/a	n/a	n/a
n (females)	134	133	282	251	98	87	681	349	246	120
Decreased Libido	4%	2%	8%	2%	4%	1%	12%	5%	9%	6%
Orgasmic Disturbance	10%	<1%	7%	1%	3%	0%	8%	1%	2%	0%

843

844 There are no adequate, controlled studies examining sexual dysfunction with paroxetine
845 treatment.

846 Paroxetine treatment has been associated with several cases of priapism. In those cases with a
847 known outcome, patients recovered without sequelae.

848 While it is difficult to know the precise risk of sexual dysfunction associated with the use of
849 SSRIs, physicians should routinely inquire about such possible side effects.

850 **Weight and Vital Sign Changes:** Significant weight loss may be an undesirable result of
851 treatment with paroxetine for some patients but, on average, patients in controlled trials with
852 PAXIL CR or the immediate-release formulation, had minimal weight loss (about 1 pound). No
853 significant changes in vital signs (systolic and diastolic blood pressure, pulse, and temperature)
854 were observed in patients treated with PAXIL CR, or immediate-release paroxetine
855 hydrochloride, in controlled clinical trials.

856 **ECG Changes:** In an analysis of ECGs obtained in 682 patients treated with
857 immediate-release paroxetine and 415 patients treated with placebo in controlled clinical trials,
858 no clinically significant changes were seen in the ECGs of either group.

859 **Liver Function Tests:** In a pool of 2 placebo-controlled clinical trials, patients treated with
860 PAXIL CR or placebo exhibited abnormal values on liver function tests at comparable rates. In
861 particular, the controlled-release paroxetine-versus-placebo comparisons for alkaline
862 phosphatase, SGOT, SGPT, and bilirubin revealed no differences in the percentage of patients
863 with marked abnormalities.

864 In a study of elderly patients with major depressive disorder, 3 of 104 patients treated with
865 PAXIL CR and none of 109 placebo patients experienced liver transaminase elevations of
866 potential clinical concern.

867 Two of the patients treated with PAXIL CR dropped out of the study due to abnormal liver
868 function tests; the third patient experienced normalization of transaminase levels with continued
869 treatment. Also, in the pool of 3 studies of patients with panic disorder, 4 of 444 patients treated
870 with PAXIL CR and none of 445 placebo patients experienced liver transaminase elevations of
871 potential clinical concern. Elevations in all 4 patients decreased substantially after
872 discontinuation of PAXIL CR. The clinical significance of these findings is unknown.

873 In placebo-controlled clinical trials with the immediate-release formulation of paroxetine,
874 patients exhibited abnormal values on liver function tests at no greater rate than that seen in
875 placebo-treated patients.

876 **Other Events Observed During the Clinical Development of Paroxetine:** The
877 following adverse events were reported during the clinical development of PAXIL CR and/or the
878 clinical development of the immediate-release formulation of paroxetine.

879 Adverse events for which frequencies are provided below occurred in clinical trials with the
880 controlled-release formulation of paroxetine. During its premarketing assessment in major
881 depressive disorder, panic disorder, social anxiety disorder, and PMDD multiple doses of
882 PAXIL CR were administered to 1,627 patients in phase 3 double-blind, controlled, outpatient
883 studies. Untoward events associated with this exposure were recorded by clinical investigators

884 using terminology of their own choosing. Consequently, it is not possible to provide a
885 meaningful estimate of the proportion of individuals experiencing adverse events without first
886 grouping similar types of untoward events into a smaller number of standardized event
887 categories.

888 In the tabulations that follow, reported adverse events were classified using a
889 COSTART-based dictionary. The frequencies presented, therefore, represent the proportion of
890 the 1,627 patients exposed to PAXIL CR who experienced an event of the type cited on at least 1
891 occasion while receiving PAXIL CR. All reported events are included except those already listed
892 in Tables 1 through 5 and those events where a drug cause was remote. If the COSTART term
893 for an event was so general as to be uninformative, it was deleted or, when possible, replaced
894 with a more informative term. It is important to emphasize that although the events reported
895 occurred during treatment with paroxetine, they were not necessarily caused by it.

896 Events are further categorized by body system and listed in order of decreasing frequency
897 according to the following definitions: Frequent adverse events are those occurring on 1 or more
898 occasions in at least 1/100 patients (only those not already listed in the tabulated results from
899 placebo-controlled trials appear in this listing); infrequent adverse events are those occurring in
900 1/100 to 1/1,000 patients; rare events are those occurring in fewer than 1/1,000 patients.

901 Adverse events for which frequencies are not provided occurred during the premarketing
902 assessment of immediate-release paroxetine in phase 2 and 3 studies of major depressive
903 disorder, obsessive compulsive disorder, panic disorder, social anxiety disorder, generalized
904 anxiety disorder, and posttraumatic stress disorder. The conditions and duration of exposure to
905 immediate-release paroxetine varied greatly and included (in overlapping categories) open and
906 double-blind studies, uncontrolled and controlled studies, inpatient and outpatient studies, and
907 fixed-dose and titration studies. Only those events not previously listed for controlled-release
908 paroxetine are included. The extent to which these events may be associated with PAXIL CR is
909 unknown.

910 Events are listed alphabetically within the respective body system. Events of major clinical
911 importance are also described in the PRECAUTIONS section.

912 **Body as a Whole:** Infrequent were chills, face edema, fever, flu syndrome, malaise; rare
913 were abscess, anaphylactoid reaction, anticholinergic syndrome, hypothermia; also observed
914 were adrenergic syndrome, neck rigidity, sepsis.

915 **Cardiovascular System:** Infrequent were angina pectoris, bradycardia, hematoma,
916 hypertension, hypotension, palpitation, postural hypotension, supraventricular tachycardia,
917 syncope; rare were bundle branch block; also observed were arrhythmia nodal, atrial fibrillation,
918 cerebrovascular accident, congestive heart failure, low cardiac output, myocardial infarct,
919 myocardial ischemia, pallor, phlebitis, pulmonary embolus, supraventricular extrasystoles,
920 thrombophlebitis, thrombosis, vascular headache, ventricular extrasystoles.

921 **Digestive System:** Infrequent were bruxism, dysphagia, eructation, gastritis,
922 gastroenteritis, gastroesophageal reflux, gingivitis, hemorrhoids, liver function test abnormal,
923 melena, pancreatitis, rectal hemorrhage, toothache, ulcerative stomatitis; rare were colitis,

924 glossitis, gum hyperplasia, hepatosplenomegaly, increased salivation, intestinal obstruction,
925 peptic ulcer, stomach ulcer, throat tightness; also observed were aphthous stomatitis, bloody
926 diarrhea, bulimia, cardiospasm, cholelithiasis, duodenitis, enteritis, esophagitis, fecal impactions,
927 fecal incontinence, gum hemorrhage, hematemesis, hepatitis, ileitis, ileus, jaundice, mouth
928 ulceration, salivary gland enlargement, sialadenitis, stomatitis, tongue discoloration, tongue
929 edema.

930 **Endocrine System:** Infrequent were ovarian cyst, testes pain; rare were diabetes mellitus,
931 hyperthyroidism; also observed were goiter, hypothyroidism, thyroiditis.

932 **Hemic and Lymphatic System:** Infrequent were anemia, eosinophilia, hypochromic
933 anemia, leukocytosis, leukopenia, lymphadenopathy, purpura; rare were thrombocytopenia; also
934 observed were anisocytosis, basophilia, bleeding time increased, lymphedema, lymphocytosis,
935 lymphopenia, microcytic anemia, monocytosis, normocytic anemia, thrombocythemia.

936 **Metabolic and Nutritional Disorders:** Infrequent were generalized edema,
937 hyperglycemia, hypokalemia, peripheral edema, SGOT increased, SGPT increased, thirst; rare
938 were bilirubinemia, dehydration, hyperkalemia, obesity; also observed were alkaline phosphatase
939 increased, BUN increased, creatinine phosphokinase increased, gamma globulins increased,
940 gout, hypercalcemia, hypercholesteremia, hyperphosphatemia, hypocalcemia, hypoglycemia,
941 hyponatremia, ketosis, lactic dehydrogenase increased, non-protein nitrogen (NPN) increased.

942 **Musculoskeletal System:** Infrequent were arthritis, bursitis, tendonitis; rare were
943 myasthenia, myopathy, myositis; also observed were generalized spasm, osteoporosis,
944 tenosynovitis, tetany.

945 **Nervous System:** Frequent were depression; infrequent were amnesia, convulsion,
946 depersonalization, dystonia, emotional lability, hallucinations, hyperkinesia, hypesthesia,
947 hypokinesia, incoordination, libido increased, neuralgia, neuropathy, nystagmus, paralysis,
948 vertigo; rare were ataxia, coma, diplopia, dyskinesia, hostility, paranoid reaction, torticollis,
949 withdrawal syndrome; also observed were abnormal gait, akathisia, akinesia, aphasia,
950 choreoathetosis, circumoral paresthesia, delirium, delusions, dysarthria, euphoria, extrapyramidal
951 syndrome, fasciculations, grand mal convulsion, hyperalgesia, irritability, manic reaction,
952 manic-depressive reaction, meningitis, myelitis, peripheral neuritis, psychosis, psychotic
953 depression, reflexes decreased, reflexes increased, stupor, trismus.

954 **Respiratory System:** Frequent were pharyngitis; infrequent were asthma, dyspnea,
955 epistaxis, laryngitis, pneumonia; rare were stridor; also observed were dysphonia, emphysema,
956 hemoptysis, hiccups, hyperventilation, lung fibrosis, pulmonary edema, respiratory flu, sputum
957 increased.

958 **Skin and Appendages:** Frequent were rash; infrequent were acne, alopecia, dry skin,
959 eczema, pruritus, urticaria; rare were exfoliative dermatitis, furunculosis, pustular rash,
960 seborrhea; also observed were angioedema, ecchymosis, erythema multiforme, erythema
961 nodosum, hirsutism, maculopapular rash, skin discoloration, skin hypertrophy, skin ulcer,
962 sweating decreased, vesiculobullous rash.

963 **Special Senses:** Infrequent were conjunctivitis, earache, keratoconjunctivitis, mydriasis,
964 photophobia, retinal hemorrhage, tinnitus; rare were blepharitis, visual field defect; also observed
965 were amblyopia, anisocoria, blurred vision, cataract, conjunctival edema, corneal ulcer, deafness,
966 exophthalmos, glaucoma, hyperacusis, night blindness, parosmia, ptosis, taste loss.

967 **Urogenital System:** Frequent were dysmenorrhea*; infrequent were albuminuria,
968 amenorrhea*, breast pain*, cystitis, dysuria, prostatitis*, urinary retention; rare were breast
969 enlargement*, breast neoplasm*, female lactation, hematuria, kidney calculus, metrorrhagia*,
970 nephritis, nocturia, pregnancy and puerperal disorders*, salpingitis, urinary incontinence, uterine
971 fibroids enlarged*; also observed were breast atrophy, ejaculatory disturbance, endometrial
972 disorder, epididymitis, fibrocystic breast, leukorrhea, mastitis, oliguria, polyuria, pyuria,
973 urethritis, urinary casts, urinary urgency, urolith, uterine spasm, vaginal hemorrhage.

974 *Based on the number of men and women as appropriate.

975 **Postmarketing Reports:** Voluntary reports of adverse events in patients taking
976 immediate-release paroxetine hydrochloride that have been received since market introduction
977 and not listed above that may have no causal relationship with the drug include acute
978 pancreatitis, elevated liver function tests (the most severe cases were deaths due to liver necrosis,
979 and grossly elevated transaminases associated with severe liver dysfunction), Guillain-Barré
980 syndrome, toxic epidermal necrolysis, priapism, syndrome of inappropriate ADH secretion,
981 symptoms suggestive of prolactinemia and galactorrhea, neuroleptic malignant syndrome-like
982 events; extrapyramidal symptoms which have included akathisia, bradykinesia, cogwheel
983 rigidity, dystonia, hypertonia, oculogyric crisis which has been associated with concomitant use
984 of pimozide; tremor and trismus; serotonin syndrome, associated in some cases with concomitant
985 use of serotonergic drugs and with drugs which may have impaired paroxetine metabolism
986 (symptoms have included agitation, confusion, diaphoresis, hallucinations, hyperreflexia,
987 myoclonus, shivering, tachycardia, and tremor); status epilepticus, acute renal failure, pulmonary
988 hypertension, allergic alveolitis, anaphylaxis, eclampsia, laryngismus, optic neuritis, porphyria,
989 ventricular fibrillation, ventricular tachycardia (including torsade de pointes), thrombocytopenia,
990 hemolytic anemia, events related to impaired hematopoiesis (including aplastic anemia,
991 pancytopenia, bone marrow aplasia, and agranulocytosis), and vasculitic syndromes (such as
992 Henoch-Schönlein purpura). There has been a case report of an elevated phenytoin level after
993 4 weeks of immediate-release paroxetine and phenytoin coadministration. There has been a case
994 report of severe hypotension when immediate-release paroxetine was added to chronic
995 metoprolol treatment.

996 **DRUG ABUSE AND DEPENDENCE**

997 **Controlled Substance Class:** PAXIL CR is not a controlled substance.

998 **Physical and Psychologic Dependence:** PAXIL CR has not been systematically studied
999 in animals or humans for its potential for abuse, tolerance or physical dependence. While the
1000 clinical trials did not reveal any tendency for any drug-seeking behavior, these observations were
1001 not systematic and it is not possible to predict on the basis of this limited experience the extent to

1002 which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently,
1003 patients should be evaluated carefully for history of drug abuse, and such patients should be
1004 observed closely for signs of misuse or abuse of PAXIL CR (e.g., development of tolerance,
1005 incrementations of dose, drug-seeking behavior).

1006 **OVERDOSAGE**

1007 **Human Experience:** Since the introduction of immediate-release paroxetine hydrochloride in
1008 the United States, 342 spontaneous cases of deliberate or accidental overdose during
1009 paroxetine treatment have been reported worldwide (circa 1999). These include overdoses with
1010 paroxetine alone and in combination with other substances. Of these, 48 cases were fatal and of
1011 the fatalities, 17 appeared to involve paroxetine alone. Eight fatal cases that documented the
1012 amount of paroxetine ingested were generally confounded by the ingestion of other drugs or
1013 alcohol or the presence of significant comorbid conditions. Of 145 non-fatal cases with known
1014 outcome, most recovered without sequelae. The largest known ingestion involved 2,000 mg of
1015 paroxetine (33 times the maximum recommended daily dose) in a patient who recovered.

1016 Commonly reported adverse events associated with paroxetine overdose include
1017 somnolence, coma, nausea, tremor, tachycardia, confusion, vomiting, and dizziness. Other
1018 notable signs and symptoms observed with overdoses involving paroxetine (alone or with other
1019 substances) include mydriasis, convulsions (including status epilepticus), ventricular
1020 dysrhythmias (including torsade de pointes), hypertension, aggressive reactions, syncope,
1021 hypotension, stupor, bradycardia, dystonia, rhabdomyolysis, symptoms of hepatic dysfunction
1022 (including hepatic failure, hepatic necrosis, jaundice, hepatitis, and hepatic steatosis), serotonin
1023 syndrome, manic reactions, myoclonus, acute renal failure, and urinary retention.

1024 **Overdosage Management:** Treatment should consist of those general measures employed in
1025 the management of overdose with any drugs effective in the treatment of major depressive
1026 disorder.

1027 Ensure an adequate airway, oxygenation, and ventilation. Monitor cardiac rhythm and vital
1028 signs. General supportive and symptomatic measures are also recommended. Induction of emesis
1029 is not recommended. Gastric lavage with a large-bore orogastric tube with appropriate airway
1030 protection, if needed, may be indicated if performed soon after ingestion, or in symptomatic
1031 patients.

1032 Activated charcoal should be administered. Due to the large volume of distribution of this
1033 drug, forced diuresis, dialysis, hemoperfusion, and exchange transfusion are unlikely to be of
1034 benefit. No specific antidotes for paroxetine are known.

1035 A specific caution involves patients taking or recently having taken paroxetine who might
1036 ingest excessive quantities of a tricyclic antidepressant. In such a case, accumulation of the
1037 parent tricyclic and an active metabolite may increase the possibility of clinically significant
1038 sequelae and extend the time needed for close medical observation (see PRECAUTIONS—
1039 *Drugs Metabolized by Cytochrome CYP2D6*).

1040 In managing overdose, consider the possibility of multiple-drug involvement. The physician
1041 should consider contacting a poison control center for additional information on the treatment of
1042 any overdose. Telephone numbers for certified poison control centers are listed in the *Physicians'*
1043 *Desk Reference* (PDR).

1044 **DOSAGE AND ADMINISTRATION**

1045 **Major Depressive Disorder: Usual Initial Dosage:** PAXIL CR should be administered as
1046 a single daily dose, usually in the morning, with or without food. The recommended initial dose
1047 is 25 mg/day. Patients were dosed in a range of 25 mg to 62.5 mg/day in the clinical trials
1048 demonstrating the effectiveness of PAXIL CR in the treatment of major depressive disorder. As
1049 with all drugs effective in the treatment of major depressive disorder, the full effect may be
1050 delayed. Some patients not responding to a 25-mg dose may benefit from dose increases, in
1051 12.5-mg/day increments, up to a maximum of 62.5 mg/day. Dose changes should occur at
1052 intervals of at least 1 week.

1053 Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be
1054 swallowed whole.

1055 **Maintenance Therapy:** There is no body of evidence available to answer the question of
1056 how long the patient treated with PAXIL CR should remain on it. It is generally agreed that acute
1057 episodes of major depressive disorder require several months or longer of sustained
1058 pharmacologic therapy. Whether the dose of an antidepressant needed to induce remission is
1059 identical to the dose needed to maintain and/or sustain euthymia is unknown.

1060 Systematic evaluation of the efficacy of immediate-release paroxetine hydrochloride has
1061 shown that efficacy is maintained for periods of up to 1 year with doses that averaged about
1062 30 mg, which corresponds to a 37.5-mg dose of PAXIL CR, based on relative bioavailability
1063 considerations (see CLINICAL PHARMACOLOGY—Pharmacokinetics).

1064 **Panic Disorder: Usual Initial Dosage:** PAXIL CR should be administered as a single daily
1065 dose, usually in the morning. Patients should be started on 12.5 mg/day. Dose changes should
1066 occur in 12.5-mg/day increments and at intervals of at least 1 week. Patients were dosed in a
1067 range of 12.5 to 75 mg/day in the clinical trials demonstrating the effectiveness of PAXIL CR.
1068 The maximum dosage should not exceed 75 mg/day.

1069 Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be
1070 swallowed whole.

1071 **Maintenance Therapy:** Long-term maintenance of efficacy with the immediate-release
1072 formulation of paroxetine was demonstrated in a 3-month relapse prevention trial. In this trial,
1073 patients with panic disorder assigned to immediate-release paroxetine demonstrated a lower
1074 relapse rate compared to patients on placebo. Panic disorder is a chronic condition, and it is
1075 reasonable to consider continuation for a responding patient. Dosage adjustments should be
1076 made to maintain the patient on the lowest effective dosage, and patients should be periodically
1077 reassessed to determine the need for continued treatment.

1078 **Social Anxiety Disorder: Usual Initial Dosage:** PAXIL CR should be administered as a
1079 single daily dose, usually in the morning, with or without food. The recommended initial dose is
1080 12.5 mg/day. Patients were dosed in a range of 12.5 mg to 37.5 mg/day in the clinical trial
1081 demonstrating the effectiveness of PAXIL CR in the treatment of social anxiety disorder. If the
1082 dose is increased, this should occur at intervals of at least 1 week, in increments of 12.5 mg/day,
1083 up to a maximum of 37.5 mg/day.

1084 Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be
1085 swallowed whole.

1086 **Maintenance Therapy:** There is no body of evidence available to answer the question of
1087 how long the patient treated with PAXIL CR should remain on it. Although the efficacy of
1088 PAXIL CR beyond 12 weeks of dosing has not been demonstrated in controlled clinical trials,
1089 social anxiety disorder is recognized as a chronic condition, and it is reasonable to consider
1090 continuation of treatment for a responding patient. Dosage adjustments should be made to
1091 maintain the patient on the lowest effective dosage, and patients should be periodically
1092 reassessed to determine the need for continued treatment.

1093 **Premenstrual Dysphoric Disorder: Usual Initial Dosage:** PAXIL CR should be
1094 administered as a single daily dose, usually in the morning, with or without food. PAXIL CR
1095 may be administered either daily throughout the menstrual cycle or limited to the luteal phase of
1096 the menstrual cycle, depending on physician assessment. The recommended initial dose is
1097 12.5 mg/day. In clinical trials, both 12.5 mg/day and 25 mg/day were shown to be effective.
1098 Dose changes should occur at intervals of at least 1 week.

1099 Patients should be cautioned that PAXIL CR should not be chewed or crushed, and should be
1100 swallowed whole.

1101 **Maintenance/Continuation Therapy:** The effectiveness of PAXIL CR for a period
1102 exceeding 3 menstrual cycles has not been systematically evaluated in controlled trials.
1103 However, women commonly report that symptoms worsen with age until relieved by the onset of
1104 menopause. Therefore, it is reasonable to consider continuation of a responding patient. Patients
1105 should be periodically reassessed to determine the need for continued treatment.

1106 **Special Populations: Treatment of Pregnant Women During the Third Trimester:**
1107 Neonates exposed to PAXIL CR and other SSRIs or SNRIs, late in the third trimester have
1108 developed complications requiring prolonged hospitalization, respiratory support, and tube
1109 feeding (see PRECAUTIONS). When treating pregnant women with paroxetine during the third
1110 trimester, the physician should carefully consider the potential risks and benefits of treatment.
1111 The physician may consider tapering paroxetine in the third trimester.

1112 **Dosage for Elderly or Debilitated Patients, and Patients With Severe Renal or
1113 Hepatic Impairment:** The recommended initial dose of PAXIL CR is 12.5 mg/day for elderly
1114 patients, debilitated patients, and/or patients with severe renal or hepatic impairment. Increases
1115 may be made if indicated. Dosage should not exceed 50 mg/day.

1116 **Switching Patients to or From a Monoamine Oxidase Inhibitor:** At least 14 days
1117 should elapse between discontinuation of an MAOI and initiation of therapy with PAXIL CR.
1118 Similarly, at least 14 days should be allowed after stopping PAXIL CR before starting an MAOI.
1119 **Discontinuation of Treatment With PAXIL CR:** Symptoms associated with discontinuation
1120 of immediate-release paroxetine hydrochloride or PAXIL CR have been reported (see
1121 PRECAUTIONS). Patients should be monitored for these symptoms when discontinuing
1122 treatment, regardless of the indication for which PAXIL CR is being prescribed. A gradual
1123 reduction in the dose rather than abrupt cessation is recommended whenever possible. If
1124 intolerable symptoms occur following a decrease in the dose or upon discontinuation of
1125 treatment, then resuming the previously prescribed dose may be considered. Subsequently, the
1126 physician may continue decreasing the dose but at a more gradual rate.

1127 **HOW SUPPLIED**

1128 PAXIL CR is supplied as an enteric film-coated, controlled-release, round tablet, as follows:

1129 12.5-mg yellow tablets, engraved with Paxil CR and 12.5

1130 NDC 0029-3206-13 Bottles of 30

1131 NDC 0029-3206-20 Bottles of 100

1132 25-mg pink tablets, engraved with Paxil CR and 25

1133 NDC 0029-3207-13 Bottles of 30

1134 NDC 0029-3207-20 Bottles of 100

1135 NDC 0029-3207-21 SUP 100s (intended for institutional use only)

1136 37.5-mg blue tablets, engraved with Paxil CR and 37.5

1137 NDC 0029-3208-13 Bottles of 30

1138 Store at or below 25°C (77°F) [see USP].

1139

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1141 GEOMATRIX is a trademark of Jago Pharma, Muttenz, Switzerland.

1142



1143

1144 GlaxoSmithKline

1145 Research Triangle Park, NC 27709

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1147 MonthYear

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